

FIG. 2A

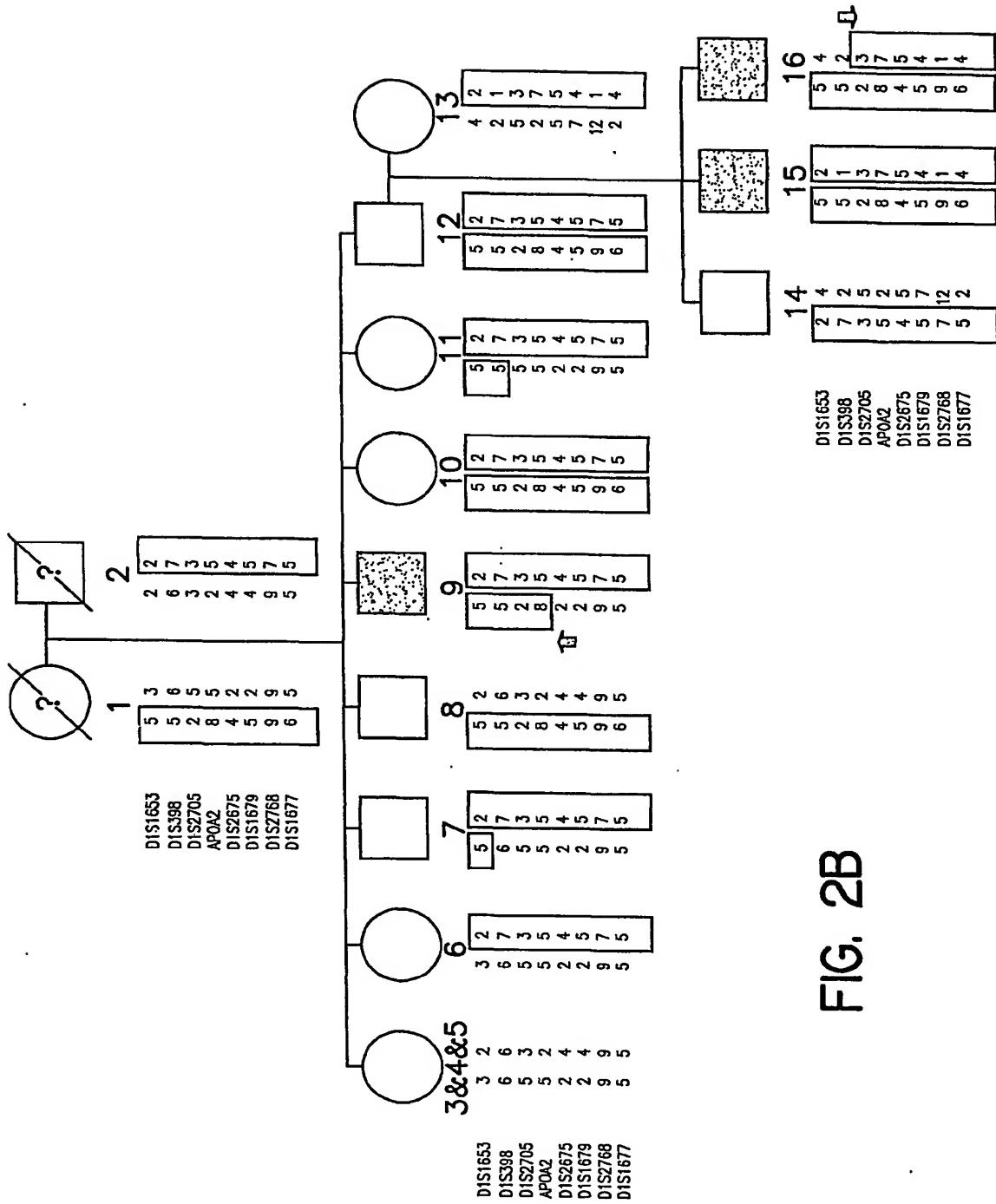


FIG. 2B

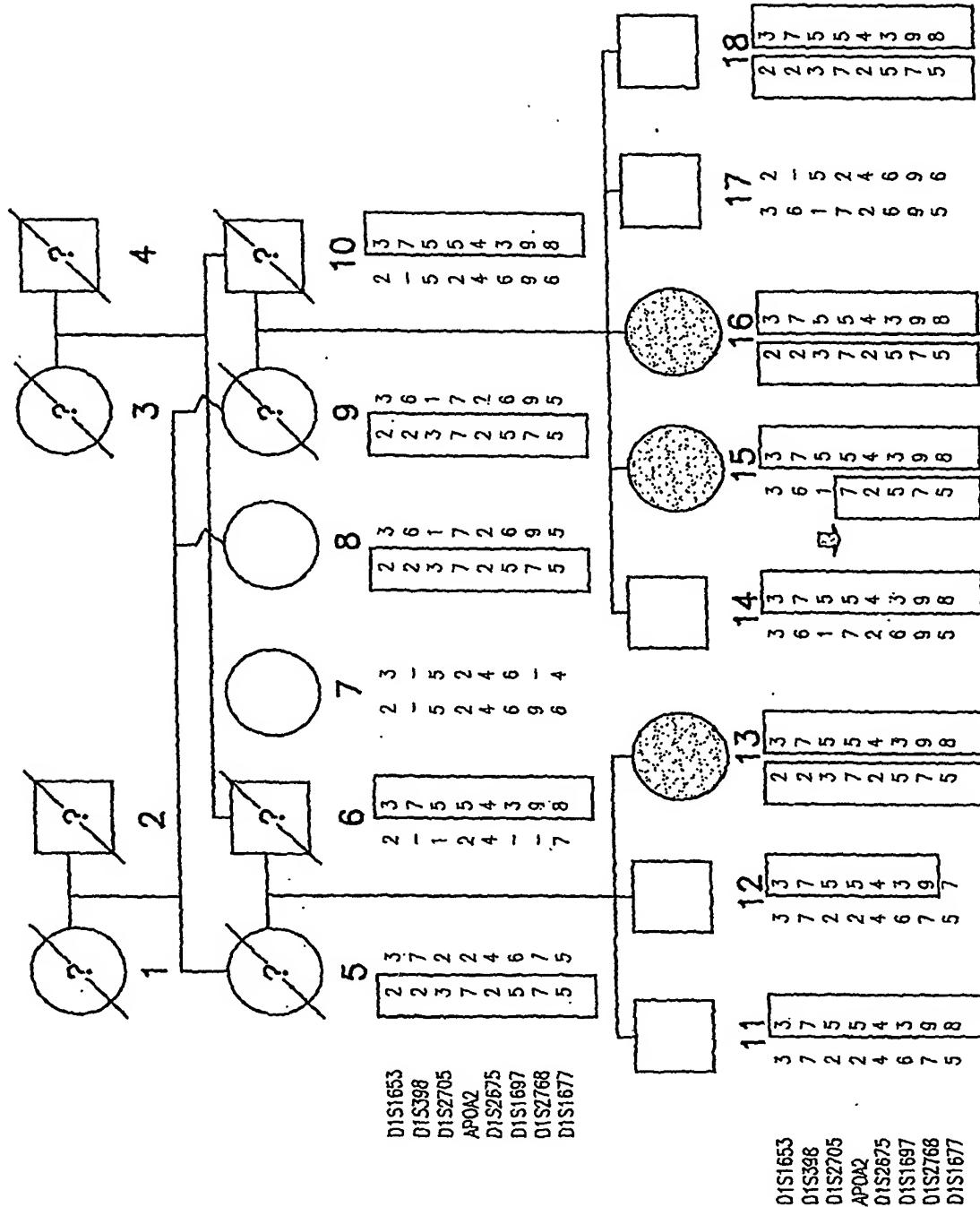


FIG. 2C

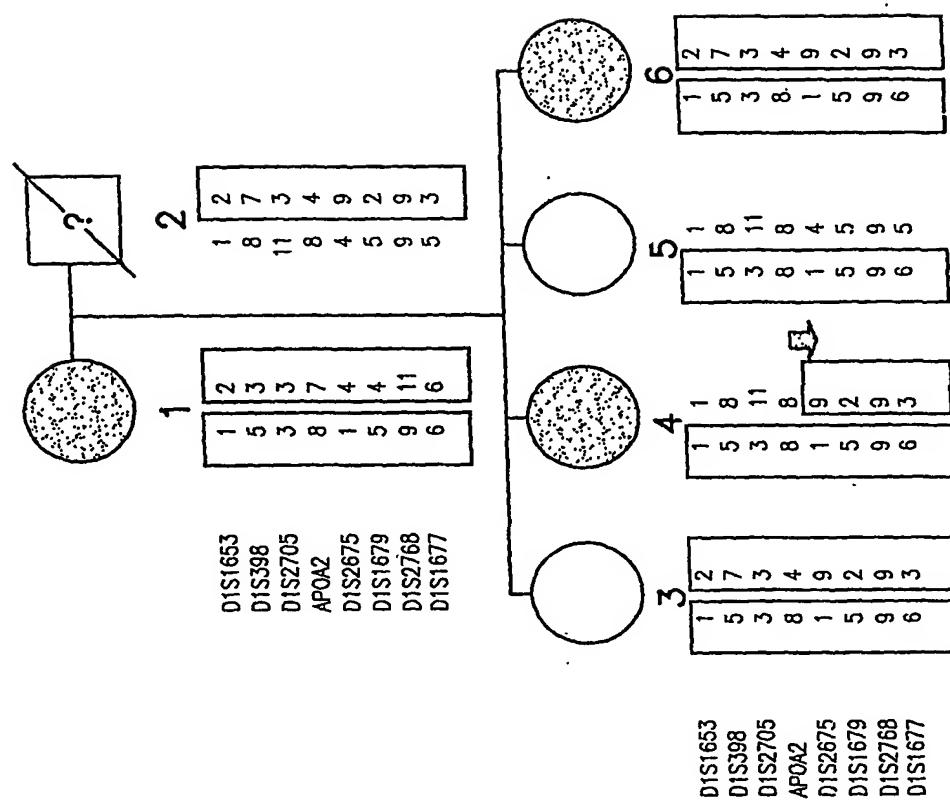


FIG. 2D

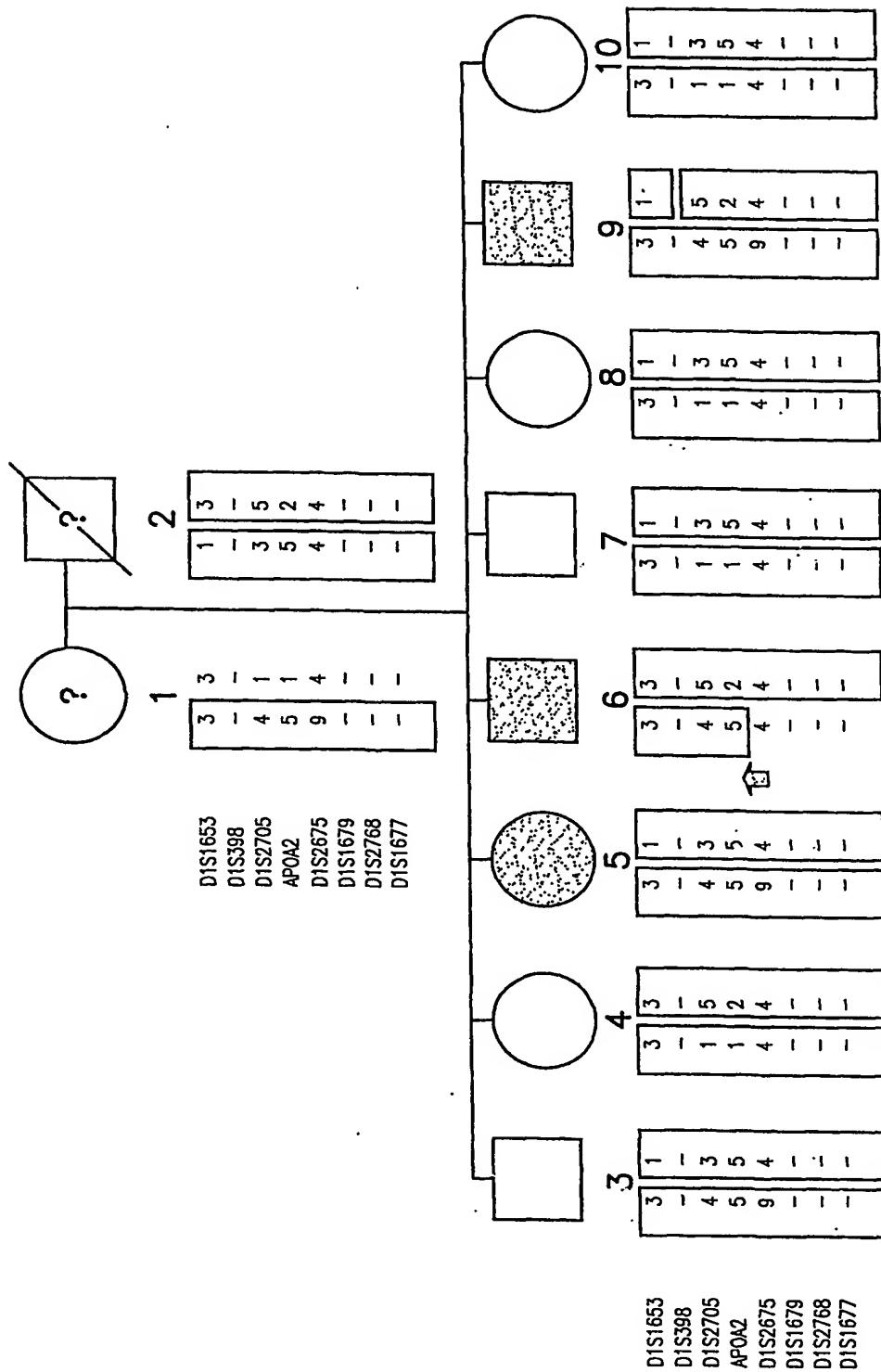
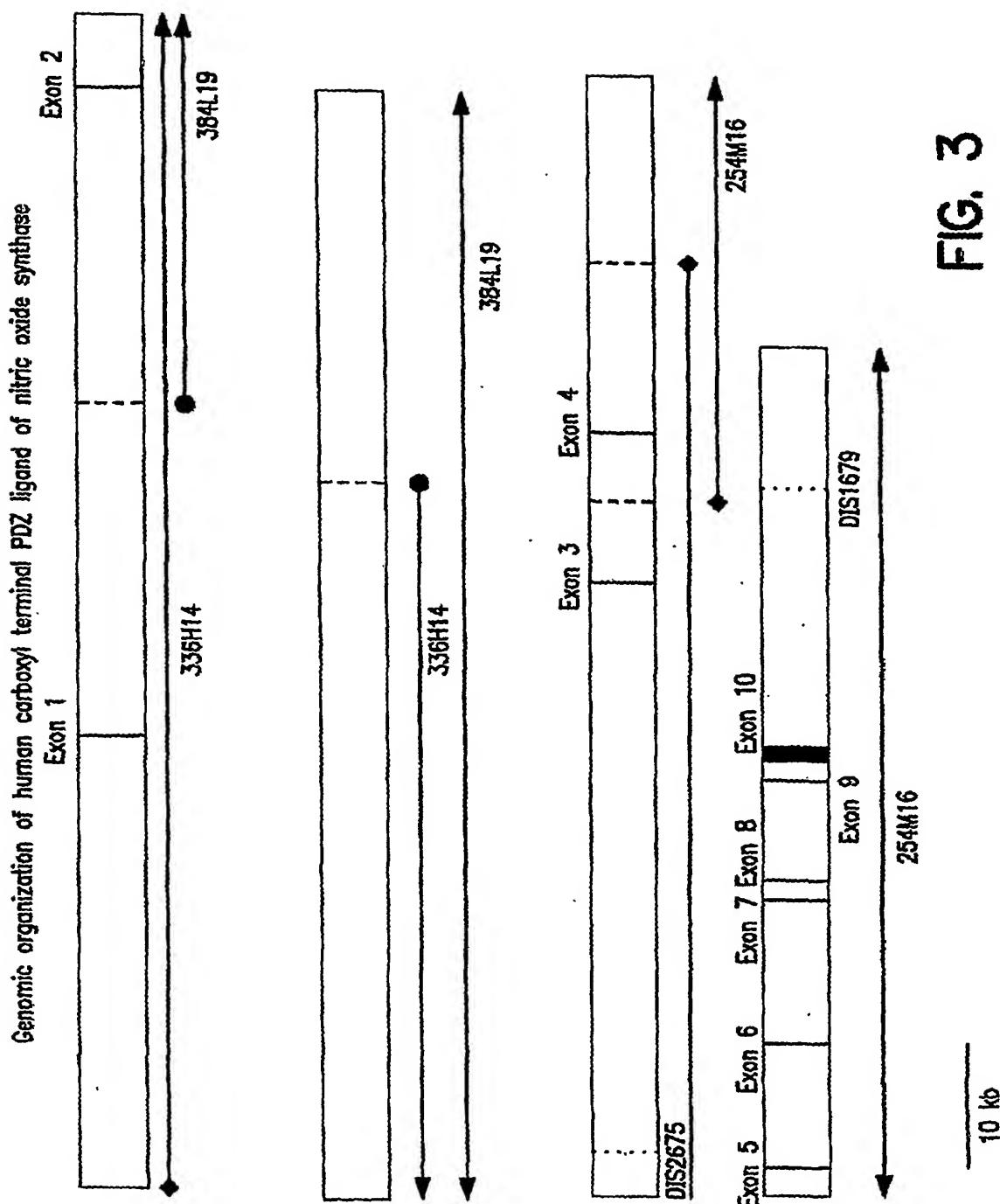


FIG. 2E



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Exons and surrounding intronic sequence. Transcribed sequence is underlined.

Exon1:

GCGCGGGGGCGGACCCGGCGGGCGGGCGGCCTCTGAGCCC GGCGGGAGGAGGCCGGCTGGCC
CGCCCCACAGGAGGAGCCAGCTCGCTGGCGCTGATCCAGCGTCTCCGTGACAGGCACCCTGCT
CCGCGGCCACCGCACCGCACCGCACCGTCCGCTTTCTTCAGCTCGTCCCGGGCGCAAGCCCCACCGCTCCCCCTC
CACTGTTCTGGGGCCGGCGCCAGTCCCAGTCCCGCTTCGGGCCACCTCCTCCCTGCCGCCCTCCAGCC
CCCGGGCAGGGGCGCCGCGCAGCCCCTCCGCCACCTCCTCCCTGCCGCCCTCCAGCC
GGCAGGAATTGCGGACACAGCGCCGCTCGCGTCCGCGCATCAGCTCAGCCGCTGCCGCTC
GGCCCTCGGCACCGCTCCGGTCCGGCGCCGGCCAGGGCTCCCCCTGCCAGCGCTCCC
AGGCCCCGCCACCGCTCGCCGCCAGCTCCAGTCTCCCTCCCCGGGTCTGCCAGCCCC
TCCTGCAGCCGCCCTCCGAAGGAGCGGGTCCGCGCCGGTAACCATGCCTAGCAAACCAAG
TACAACCTGTGGACGATGGCACGACACTGCGGATCCCCCTGCACAACGAGGAGCCTTCCAGC
ACGGCATTGCTTGGAGGCCAAGGTGAGGGGCTCCGGGAGGGTGCTACCTGTGGTGGCGGTT
GGGGGGCATGTTGAGCGGATGGGATGCACAGCCGCTGGACCCAGAGCTGGCGGGCTAGGC
CGATTGGGGCCTTCTCTAGGGAGGGTAACCTCCCTCTGAGTCTATAATTCCCGGGCT
CCTGCCAGAACTGCTCAAGAGCAACTGCAAAGTTGAGCGGTATTGCCTCACCTCCCCTTCC

Exon2:

CTGGTTAAGAGCAAGATGAAAAAAGGAAGCAGTAATTCTGGTTAAC TTGCTTTATAAGTT
 AGAAAACAGACTCAAAACAAACACCCTGCTGGCTCTTAATTCTCATCTGAAAATGGCAGA
 TGAGCTAGCCTTACCCCTTGGAACTTCTGGGATTAGGGACACTTGCTACCCCTCTCTCAA
 TGAGTGGTTGCTTCTCCCCACAGTACGTAGGAAGCCTGGACGTGCCAAGGCCAACAGCAGGG
TGGAGATCGTGGCTGCCATGCGCCGGATACGGGTGAGTGGCCAGAGGTGGACTGTGTGGAGCGG
GGAGTCAGTGCCTTAGCTGCTGGCCCTCTAGGTAGGGCTGGAGGGCCAAATGGATGGCTA
CACCCCTGCAAACCCAAACTCCTCTCTGTACCCCTCTAGGTAGCTGTCTGAATTGAACAT
TTGATCTTGATGAAAGGCCATGTTAAATGGATGTATGGCTGGAGTGGTACCATCTCCCTC

Exon3 :

CTCATGAGGGTAGCTAGCTGATGGCTGAGAAGTGGTATAGACTATT CAGAGTCCC GTTCTAAC
 CCAGAGATTGCCTGAGACATCCACCTGCTTTACATCCCCCGAGGTGCTCCCTGCCAGGAG
 CTATTCCCCACACCTGTCTGGGACCTTTTCCAGGCATGGCTAGCTGGGTCTGTATAGATG
 CACTGATCTCATCAGATTGCACTTTCTTTGTTCTTCTTCTGCAGTATGAGTTAAAGC
CAAGAACATCAAGAAGAAGAAAGT GAGCATTATGGTTCTAGTGGATGGAGT GAAAGT GATTCTG
AAGAAGAAGAAAAGTAAGTGGCTCTGAACCAGAATCTGAGGTGAAGAGGAAGCAGGGGAGG
TAGGCATGGGTACCTCTCTGGGCCACCTCCAGAGAGAATCCCTCCCTATCTGGCAA
GCTCTCTGCTTGAGCAGCAATGGT GCTGACAGGCTG CAGCAGAGTGTAGGGCGAGGCGAGGC
CAAAGGCCTAGTCACCAGTTGGCTCAGTCAGTCCTGGTACCCAGGTGATGGAGTCACCTCCT
GTCATCCATGCCTCAACCCCCCTCCCCATTTCATACCTTATCTTGAGTTGAGTCCTGA

Exon4 :

15 basepairs in AB007933 but missing in CAPON-1 are italicized

CCCCACTTCACCCCGAGTTCCCTAAGGACTTCTGGCTTTCGCTACCCCTCTGAGCCCTGGAGA
 GGCACTCTCCTAAAGTGCTGGAGGAAACTGATCAGACTAGACACTTGATATTGCACTCGTC

GTTTGGAGCAATCAACTCCAGGCCTCTTAGAGGGAAAAAGTCAGGTCAGGAGCAAAATGCATG
 TGTTGCATAAGTATGCATAGCTCAGTGTGCCCTGGCCTGTAAGTGAGGACAAGCCTAAGT
 TATTCAATTACAGCTTCTTTATTGCAGAAAAGGAATGGACGTGGATGAGAGCAAGATGCTG
GTGATGCAGGACCCCATCTACAGGTAAAGGCCAGTCCAGCACCAAGATATCACTGAGCCCCA
GAGTCCTCCTGCCCTACAGCCACCTGTCAGGCTGGATCCAGGCAAATTAAATAAACCTT
CTATGCTTTCCCTGAGACCTGTTGCTTCATTAGATGTGAGTTCAAGAAGTAAATCTGCC
TTATCAATTCTGGTCATGCTTGATTGCATTAAGGAAGCTATGAAGTATATCGCTTGATGTTAA

Exon5 :

CTACCCCTGCCCTCTACCAAATCTGAAAGTCACAGTGTAGTGTGTTGGAATCTGTTGAAA
 GTGCCTCCTGCATTGTACTTTGATCCTGAAGGAAGAAGACTTCTGTAATAACTGGCTCT
 CATGAGCTGTGCTTCAGAGTGTCTTAAACAGAGCTTCCTGGTGGAGATTGAACCTAAGGC
 CATTTCAGTGCATTTCAGTGTCTTCTTCCTTAGGATCTCTATGTCTCATGATTCCCAA
GACTTGAAGATCTCAGCTATCGCTCGAGATGGTGCCAGCAATATCTCAGGTGTAACGTCT
TTAAATCCAAGAAGAAGGTAAGAGGCGGTTGCCGTCCATCTGCTATTTCCTCTAATGGTCC
AAAGCACCCCCAACATTGGCCCGTCTCCCTGTTGAAGACAGCTGTGGTAATGCCGACATGGGGC
AACTATCTCAGTCGTCTGTCATTGCTCCTATATAATGGAATTCTCTTTAGCATCATCTGAAC
TTGTACTTAGTTACATACAGATAATGCAAAGGGATTGACCCTGACTACGTGCTGGGATGA
GAGCAGTTAACACAGCACCGGAGTGATGCTAACCTAGCCTGGGTAGGAAAAAGCATTGTC

Exon6 :

CCTTCAGTTGACTGATTGTTCAAGCACTGTGGTGACAGTTCTGTTCTGGAGTATTCAGA
 AAGGGAAATGTCTTGCACTCATTGTATGTGCATATCTGAACAACCTTAGATTTCTGCT
 CTTCTTGGCTGTTCATGAGTTCTATCCACATGCCCTTGCCTCCTCACCCACCCCTGTT
 CTTCTCCTTCTCCTCCCAGAGCCAAGCTATGAGAATGTTGGACGGTGGGGCAGGCCTTG
AGGTCTGCCACAAGCTGAGCCTGCAGCACACCGCAGCAGAATGCAAGATGGCCAGGAAGATGGGAGA
GAGCGAGAGGAACAGAACAGCTCAGGAGACCCAGGTAGGCACTGCCCTCTGGATGTGGG
TGGGAAGGCAGTGACACAGTAGGCTCTGGGATCACTGCCCTGACCCCCAGGCTGTGAAC
CTATTAAAGAAACATTATTTCTCTCTAAATTCTAGATTCTCTTAAAGGAACACG
TATTACTTTATAACAGAAATTAAAGATGTTAAATTATTAAATGAGGAAGTATTAAACTGGA
TATCAGGGAGAGGTAGAGCTGCTACTACCAAAATCTGACTTCAAAGAAGTTTCAGTAAAAAA

Exon7 :

TGGAGATGATCAGCATCCCTTCTCCAGTGTACCTGTCAATATATTCTGTGAACCTGGCAA
 AACTTTACATCCAGGCTTGAGGAAGTATTGCCCTTTCTGGACTTTGAAAAGATACTAAGA
 TGAGAACATCTTACTGGGCTGGAAATGCACTTAACGTACTTGAGTAAAAGATGTGTAAAAT
 GTTACAAGCCAGTGGCATCCCTAGGCTAACATGCCGAAAGCTAAAGTATTAGGAAAGGAGG
 ACTTTGTCTCGGTGTTCTATTCTCTCCCTCCCTGTGTTCTGCAGGCCGCCAGCT
CACTGGAGCCGAGAGGGCTCCACGCCACTGCAGAGGAGACTGACATCGATGCCGTGGAGGTC
CCACTTCAGGAATGATGCTGGAAATTCAAGCCGAGGTGTGACTGATCTAGATGCTGTAGGGA
AGGAAGGAGGCTCACACAGGCTCAAGGTAGGCAAGAGATGCCCATCTGTGATCTGCAC
ACGTGTGCCCTCAGGTATCAGTCATTCTAGGCCCTGCCAGCTCAGCTCCGAGTGAGGCAC
TCCATGGCACAGTGGCGGTGCCAGAGCGCACTTCATTGCTTCAAGAGGTCTGACTTCCAGAG
GGTCTGAACACTAGATGCTGCTGCAGGCCAGGATGCTGTGGAGCTGATTCTGACACACATCGC
CCTCCCCAAATCCCACCAATATTGGTCTCCTACTCCCTGGCACCCCTCTCCCTAACAGCATC
TCATCTTGCACAGTATTGCAAGGCTCACTGGCACACACACACAGACTCCCTG

Exon8 :

AGAGATGGAGCAGTATCAGCCATCAGTCTCCCATCGGGGTCA~~G~~TACCGAGGTGTCCCCTAGT
 CCCCTACGATTTCTGACTGTGTGGTATCAGCCCAGGCA~~G~~GCTACACCATTCTTCTGGGCC
 TCTACTCCCATTCCATTGAAGATATA~~G~~TGCTGTCA~~G~~CTTATGGGTTGTAAGTGTGCCAATTG
 CTCTCTGAGTGCA~~T~~GCCAAAGAGAGGGAGGCCCTCAAGATGGCTCTGCCACATGT~~C~~ATGT
 CCTGTCTTC~~T~~CTCCTCTCAGGTT~~T~~CGCACCCCCAGGAGGCCATGCTGACAGCCTCACCCAG
GATGGCTGCTCC~~T~~CTTCTCAGCAGCCTCCAGCAGC~~T~~CTCCAGCAGCAGCAGCAGCAGCACAAGTGGCTG
CACCACCAGATGCAGC~~T~~CTCCAGCAGCAGCAGCAGCAGCAGCAGCACAAGTGGCTG
TGGCCCAGGTTCTCCTCAGCCTCC~~T~~ACTTCGCA~~G~~GCTCCACTCTCATGGGCTGATGCAC
 CTTCCCTAGCGAGGGGCTCAGGGCAGGTTAAAATCTAGGGAGTCATAAGGAATCGCTCATGCT
 ATTGGATCATTGCTGTTGGGGAGTGGGGCAGTGGGAGGGGATAGATGGGGATGCAGTTGA
 AATGGAGAGGCACATTGGTTCCC~~A~~TGTATCCC~~T~~GCTCTGAGCTGGCTGGCTGGCTTGG
 CTGAATGTTGTTAATGACTTGA~~C~~ACTGACCAAGGGAAAAGATGCACACAA~~T~~CCACCCTCCTT
 CCTGCCTACTTTCTGATATTGGGGTGGAAAGT~~G~~ATGCCTTGGAGTCAGAACAGTTGTGGC

Exon9 :

Sequence translated in CAPON-2 but not CAPON-1 is italicized

CTTACCC~~T~~CTCTGAGGCTTATCTG~~T~~GGGCTTCCC~~A~~TAGCAGTTG~~T~~CCTG~~T~~CC~~T~~TAGAACCAA
 ATAGATTGGGGACCCCCAGCTGAAATTCTCCATGCCTCC~~T~~CC~~T~~CAAAGAGGAGAAAACCT
 TAATAGCCACCCACC~~A~~TCTGACATCCAGATTACAATATTATTGACATTCTTCC~~T~~GTTGAGT
 GGATATAGGAAGAAACAAACTCAGTTCTCCTGCTATACTGT~~C~~ACAACATAACTTCTATGACCA
 AATGTATGGGGCTTTCCCACACACCAAGCAAGCAAGCAAGCAGTTCTGCA~~G~~AGAGGGCACACAGT~~G~~~~T~~
 CTCTAA~~T~~CTCAGTTGATTCTGATA~~T~~ACTATCTAC~~T~~GGAAACAGCATCAGATCCCACAGTTGAGG
GCTCAATCCCACAAAGACTTCCCCATT~~T~~CAGACACCAATCACAAGTAATAGTTGTCACCTAC
 ACCTCTGACCAAGTGGCTATAAATTGGT~~G~~T~~T~~CCACTACCCTCTCCTGGACTCAACTGATTG
 CTAGAGCAACTGACAGAACTCAGGAAAACACCTACATTACTGGTTTATTAAAGGATATTAT
 AAGGGATACCAATGAACACCAGATGGAAGAGATGCATAGGGCAGGGTCTG~~G~~GGAAAGGGTGGCA
 GAGCTCCC~~A~~TGCCCTCC~~A~~ACGT~~G~~CACCACCC~~T~~CCAGGAACCTCTAAATGTT~~C~~AGCTGCCGGC
 AGCTCCCCACACCCAGTC~~T~~TTGAGTTTAATGGAGGCTTTATTATG~~T~~AGGCATGATTGATT
 ACATCATTGCCACTGGT~~G~~ATTAGTTA~~A~~CTTTAGCCC~~T~~CATCTCCTGGCTGTGAGCAGCCCCATCCCGAA
 GGCTCCAGGGGTTCCCCAACCAACTAATCATCTAATAAGCATAACAAAAACACTCTTACCACTCT
 GGAGATCTCAAGGGTTGGGAGCTATATGTCAGGAAACAGGGATGAAGACCAAACATGTATT
 CACTGTATCACACCTGTTCTCACCC~~T~~CCCCAGATCTCTCAATTAAATATGAGACAAAAAA
 TGAGTCTGACTTCTTGACAAAATATCAGTTCTGT~~C~~CTTAGCAGCTTATGGAGGACAGATT
 GTTTAAATTCTCTAGGCATTATGCCCTGTGGCTCCACTCAATCAGAAATAGGGTCAACGGCAA
 GGTCA~~G~~GGCCTCCAATCTGGGCAAGAGGGAGGCAGCCACGGTATCCACAAGT~~G~~T~~A~~TTCTCTGA
 GTGCTGGTTGCTGGAGGGCACACCC~~T~~GGGCCAGCAAGTCACTTGGCCAAGGGTGGCCA~~A~~CTG
 TGAGGTAGCACTGCC~~T~~TTACTCC~~T~~AAAAAAATGT~~G~~A~~T~~CTCTTGGAGCAAACCTCTTCA
 GAAATTGAGCACTGTTCTGAGCAAGGGAA~~T~~CAGCTAATGCTTTGACTCCCCATCC~~A~~TCT
 TCCTGCATCCTCGTCCCACCTCTCCTGCC~~T~~CCACTCACCTGGCTCTG~~T~~CTTACCCACACC~~A~~TG
 GTTTGGTACAAGAACACC~~T~~TTCCCCATAAGCTACATTGGTCCAGGCCATAAAAATT~~C~~ATTA
 GTTCC~~T~~TTCTCAGGGC~~T~~CTGAAATGCTCC~~T~~GGAGAACTCTTATTCAACTCAGTTCTCAAACCAGGGTCC
 AAGAACATCACA~~T~~ATGT~~G~~T~~G~~AA~~C~~ACTGGTATTGGC~~T~~CTTA~~A~~CTCAGTTCTCAAACCAGGGTCC
 TGGTCTGGTTGCC~~T~~GTCTCCTCCACTGAGTTTATCTCCACATAAGTATTGCTCACCAAGA

Fig 4c

ACAGAGCTGTTGACACCACTGGGCCTCAAGCATGCTGAATGCATTGCTGCCAACTGCTCTGCCT
 TAAGAAGGTTGGAAACTGATGAGGGTGCACAAATTGTTCACCTCAGCCCTCTGGGCTGGTTG
 GAGGAGGCCCTCTCATGAATCAGTCAGCAAATGTTGACCCCTACCAGGTGGCTGGTAATAT
 GTGGTATGAATCATGGCCTAGATGTCGCCATAGCAAATAAAAAGGAAGACAGGGAAAGAAG
 CTGTCGCCTACAGAGTGGCTTGATGACAGCTGCCACTAATTAAAAAGCCATGTGTAGTGCT
 TCCTATTCTCACTATGTTGGGTGAGTGGGAGAGGGAGAAAGATTATATGGGCTCGTTGTGA
 CACTGTTCTAGCCAGTGGGTCAATAGATGAGTTTGGTTTGTGTTTAGAAGACAGGATGAG
 AAGAGAGTGCCTTCCACCTCAACATGGCATGCCATGCTAGGTGCTGAAGGAGTTCTAA
 GCAGGGATGGAGCACCGTGCCTGTGTATATGTCACGTGTGTGTACGTGTGTGT
 GTGGCAGGTCTAGAGGGTGGATGGCTCTTCCCTGCCTCTTGCCTTGGTATGGGTACCTTAGTG
 ATGCATCATGGCCCTCCCTAGGACACACAGCTTCGCAGTGCCTGAACCCACTCCTTTGGC
 TCCTCCTCTGGAATGATAAGCCCAGATGCCATGCTGCCGTGAAGGGCTTCTTGAACCTGA
 ATGTGGAGGGCATCTGGTCCCCCATCTGCCAGTGACTCTCATGTCATTCAATGTCCTCT
 CTTCTCTCTGCTCTCTGCCCTGCCTCTCTGCAAGGTACACTGCTGAAGGACCA
GTTGGCTGCTGAGGCTGCGCGCGGCTGGAGGCCAGGCTCGCGTGCATCAGCTTGCTGCAG
AACAAGGACATGCTCCAGCACATCTCCCTGCTGGTCAAGCAGGTGCAAGAGCTGGAAC
TGTCAGGACAGAACGCCAGTAAGCCAGTGCCCTGCCAGCCCTGCTTCTGTGAAGGCTCTG
GAAAGAGTGTCACTTCTCTAAGTTTGGTGGTGTCTTCTTGACCTACCCCTATA
TTCCAGCAGAAAACATAGGAGCTTGTGTTCCATTAGTATACTTAATGAATTACAGAATCAC
ATGCCCAAAGGAGATCTGGGTGCCTTAATCCAGGCCAGGGCTGGACTTGAATGTCCCCG

Exon10:

Sequence transcribed for CAPON-1 is underlined, additional 3' untranslated but transcribed sequence present in CAPON-2 is italicized

TAATTAATGCTTATTACATGATTGACTAAAGGTTACCAACAGGCTCTAACATGGTCTCTCA
 ATTGGTACCTTTTCCTACCACTAACCTATTCAAGAGCCTCAGTGGCTACCAGAACCATCATA
 TGGTTCTTATGTCCCCGCCTTACACGTCCCAAAGCTCCTCCCTCCAGCGAGGTGTGCTGG
 AGCTATGTGGGGCGGGAGGAAGGGTGAAGTGTAAAGAGACCCAAGGCCGGAGAGGTGCTGCT
 AAGCTGGTCTGGGAAGGGCTTGGCATGGCACGGCGGGCAGAAAGCGGGCATCCCAAATCAAC
AACCTGCCTAACGCTGCCCTCTGCTACCTCTGTCTCCCTGCAGTGGCTCCCAGGACAGC
TTGCTGGAGATCACCTCCGCTCGGAGCCCTGCCGTGCTCTGTGACCCACGACCCCTAAGC
CAGAGGACCTGCATTGCCGCCGCTGGCGCGGGCTTGGCTGACTTGCCTACCCCTGCCGGCAG
CCCTTAGGTAGGCAGACTGCTTGGTGAAGCTGGAGTGCTTGCCTTCTCCGCCAGGAC
ACCCCGCCCCCAGCGCAAGCGAGGCCTGGCGGTCTGGAGCTCATCAAGTCCGAGAGT
CAGGCATCGCCTCGGAGTACGAGTCCAACACGGACGAGAGCGAGGAGCGCAGTGTGGTCCC
GGAGGAGCTGCCGCCCTGCTGAATGTCCTGCAAGAGCAGGAACCTGGCGACGCCCTGGATGAT
GAGATGCCGTGTAGGTGCCAGGGCGAGGAGATGGAGGCCGGCTGGCTGGAGGGCCGTG
TCTGGCTGCTGCCGGTAGGGATGCCAGTGAATGTCAGTGGCAGGAGAATGCCAGGCCAG
GGCCCGGGAGAGTGTGAGGTTTCAGAAAGTATTGAGATTCTGCTTGGAGGGTAAAGTGGGA
AGAAATCGGATTCCAGAGGTGAATCAGCTCCCTCCTACTTGTGACTAGAGGGTGGAGGT
AAGGCCTCCAGAGCCATGGCTCAGGAGAGGGCTCTCCAGGACTGCCAGGCTGGAG
GACCTGCCCTACCTGCTGCATCGTCAGGCTCCACGCTTGTCCGTATGCCCTACCCCC
TCACTCTCCCGTCTGCATGGCTGCCAACAGGAAGGGAGCCATCGGTACCTTCTCAGGTACTT
TGTTCTGGATATCACGATGCTGCAGTTGCTAACCTCCCCACCTTATGAGAGGAATT
CTTCTCCAGGCCCTGCTGAGATTGAGAGATTGAGTGCCTGGACCGCAAAAGCCAGGCTAGT

Fig 4D

CCTTGTAGGGTGAGCATGGAATTGGAATGTGTCACAGTGGATAAGCTTTAGAGGAACGTGAAATC
CAAACATTTCTCCAGCCGGACATTGAATGTTGCTACAAAGGGAGCCTGAGCTTAACATGG
TTCAGGCCCTGGTGTGAGAGCCCAGGGGAGGACAGCTGCTGCTGCCAAATCACTTAGA
TCTGATTCTGTTGAAAGCTCCTGCCCTGCCTCCTGCCTGAGCCCAGCCATCTAAAT
GGAAGCTGGAAATTGCCCTCACCTCCCTGTGCTCCTGAGCTGAAGCTTTGCAGCACTTT
ACCTCTCTGAAAGCCCCAGAGGACCAGAGCCCCAGCCTTACCTCTCAACCTGTCCCCCTCCACT
GGCAGTGGTGGTCAGTTTACTGCAAAAAAAAAAAAAAGAAAAAGAGAAAAGAAAAAG
AATGAATGCAAGCTGATAGCTGAGACTGTGAGACTGTTTGTCCACTCTCTGAATCACTGCC
ACTTGGGTCAAGGGACCAAGCCATTGCCACCCCTGGCCATCTCTGGGTGCGTGCCTTGAGC
ACACCTATAAAAGTGCATGTGCAATTGCTATCTTTATGATCTAGGCTTGCTAGGGAT
CACTACTCCTAACGGGCTGGCTGGCGATGAGGAAAAGCTCCCTTGCTCCTGTAAGGCCATA
AGTGGCTGTTAACAGATTTCAAATGCCCTGAAGAGATTGCTGAGACCTGCTAGAGTCATACGTT
CGGGGAATTAAAGTCTTATCCTAGACAACAAGGTACAGATGCAAATTGCACTGTTATTGGAGGG
TCAATCGGCAAGGAATGATTATCCAAAATGGAGTTCATCGACCCCTAGCTTCTTAGATTA
TATATAAAATAAAGTCAGTCTTATGTTAGCCTCCTGAGCTTGTAGCCAGAAAGT
CCAAATTAAAGGAATAATTCAAGTTTATGTTAGCCTCCTGAGCTTGTAGCCAGAAAGT
AAATAGGATCAGGTGGTGTGTGTGTGTGTACACATGTGTTATATAT
ACATGTGTGAGGGAAAGTGTGTACATATATGTTAGGATTGTAACCAGACGGAAAAGAATGAGGAT
CTCCAGGGTGTGTTGAAATCAGCAACAGATTGTTCTAACATGCATTAGTTGGAGAGGCAT
GGTTCTGTTGTTGATCTAATTGCAATTGAAATAGGTACAGTTACACAGAGAAGG
AAGAACTAGGAAAGTGGAGATCCATGAAACTAAATGAGCAGCTGTCAGAATCCAGTGTGGCTGAG
CCTACCTAGCTTATGAAATCTAACCCAGGGTCCCTGAGTCCAAGACCACCTAGATTATTAAGA
TTTGAAACGTCCAGAGGAGTGAAAGTCTGTTCTGGACGTAAGCCGGAGCTGAGGATAAAC
CAGAGGCCAGTGGATTAGGTGTATGGAATGTGGATGGAGAGGGCTTGTGTTGGATGTGGCCAGG

Fig 4E